

## How to Report Engine Repowers

Repowering off-road diesel vehicles (i.e. replacing older dirtier engines with newer, cleaner ones) is an important option for fleets complying with the vehicle turnover requirements in the off-road diesel vehicle regulation. Additionally, the regulation grants early credit for any repowers performed prior to March 1, 2009, to a Tier 1 or higher engine.

This guide explains how to report vehicles that are repowered with newer engines.

### Reporting Repowers

Fleets will have two options when reporting repowers:

1. Report the information for the engine which was removed, and add then information for the 'new', or current, engine in after the fleet is reviewed and EINs are assigned.

OR

2. Report the information for the engine currently in the vehicle and add the information for the old engine after the fleet is reviewed and EINs are assigned.

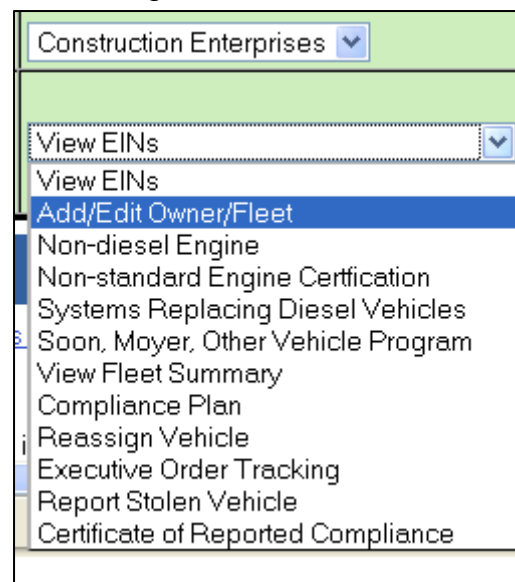
In either case, the repower date will not need to be entered during initial reporting, but only after receiving EINs.

### How to Report Engine Repowers

**Engine repowers may be entered only after the fleet receives Equipment Identification Numbers (EINs) from ARB**, which are assigned after the review process.

Once the fleet has EINs assigned, the fleet will see the options in DOORS displayed to the right.

- To report a repower, the fleet should select **"Add/Edit Owner/Vehicle"** as shown, and then click on the **"Take Action"** button to the right of the screen.
- After clicking on Take Action, the fleet will be taken to the Owner Information



screen. The fleet should then select  
“Add/Edit Engine” as circled below.



### 1: If the fleet owner first reported the engine which was removed from the vehicle:

On the “Add/Edit Engine” screen,

the fleet must first report the engine currently associated with the vehicle as sold.

- Click on the “Sell” option next to the engine that had been repowered.

**Vehicles with engines that have been sold are shown in gray.**

Edit	Delete	Sell	Line #	EIN	Veh serial num	Your veh num	Eng serial num	Eng Manufact
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	2	YA4C45	3HGE32837DSF78372	23	4LKD38923892SDO	DAEDON
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	1	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO	JINMA

Once the fleet has selected “Sell”, they will be asked to enter the sales date for the engine.

- Enter the date that the engine was sold and click “Sell”, as shown below:

Please enter the sale date of the engine with serial # **6KTB382938293DO** in the vehicle with EIN: **LA8J99**

YYYY MM DD

After the date is entered, the engine will be shown in grey.

- To report the repower of this engine, select “Repower” on the engine line.

Edit	Delete	Sell	Line #	EIN	Veh serial num	Your veh num	Eng serial num	Eng Manuf
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	2	YA4C45	3HGE32837DSF78372	23	4LKD38923892SDO	DAED
<a href="#">Repower</a>	<a href="#">Oops! Unsell</a>		1	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO	JINMA

- Report the information for the ‘new’ engine which was placed in the vehicle and then click on “Enter Repower Data”

Line #	EIN	Veh serial num	Your veh num	Eng serial num	Manufacturer	Model
1	LA8J99	2FGM38293D093SD	23 R		AGCO	

Enter Repower Data

The information for the engine which was removed from the vehicle will continue to be shown in grey, and the new engine data will be shown below that line. Both will display the EIN for the vehicle they are associated with.

	Edit	Delete	Sell	Line #	EIN	Veh serial num	Your veh num	Eng serial num	Eng Manufacturer	Eng Model
	Edit	Delete	Sell	3	YA4C45	3HGE32837DSF78372	23	4LKD38923892SDO	DAEDON-KIOTA	450-XL
Old engine	Repower	Oops! Unsell		2	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO	JINMA	456 G
New engine	Edit	Delete	Sell	1	LA8J99	2FGM38293D093SD	23 R	4LKD38923892SDO	JINMA	478 RS

**2: If the fleet owner first reported the information for the engine currently in the repowered vehicle, the “new” engine:**

- Once the fleet has been reviewed and issued EINs, the fleet should select “Add/Edit Owner/Vehicle” as shown, and then click on the “Take Action” button to the right of the screen.
- After clicking on Take Action, the fleet will be taken to the Owner Information screen. The fleet should then select “Add/Edit Engine” as circled below.

Construction Enterprises

View EINs

View EINs

Add/Edit Owner/Fleet

Non-diesel Engine

Non-standard Engine Certification

Systems Replacing Diesel Vehicles

Soon, Moyer, Other Vehicle Program

View Fleet Summary

Compliance Plan

Reassign Vehicle

Executive Order Tracking

Report Stolen Vehicle

Certificate of Reported Compliance

Home Edit Owner Add/Edit Vehicle **Add/Edit Engine** Add/Edit VDECS Exit

- Select 'Edit' for the engine which is currently in the repowered vehicle.

Edit	Delete	Sell	Line #	EIN	Veh serial num	Your veh num	Eng serial num
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	3	YA4C45	3HGE32837DSF78372	23	4LKD38923892SDO
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	2	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	1	BM5F94	3OSIDOO38293DF	3457	R383SKDUOD3723

- Insert the engine information from the old engine, which was removed from the vehicle, in the form shown below.
- Select 'Enter Second Engine Data'. **Do not** select 'Enter Edit Data' or it will overwrite the information for the current engine.

Line #	EIN	Veh serial num	Your veh num	Eng serial num	Manufacturer
3	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO	JINMA

There will now be two engine entries for that EIN number.

- For the engine which was removed from the vehicle, select "Sell".

Edit	Delete	Sell	Line #	EIN	Veh serial num	Your veh num	Eng serial num	Eng Manufacturer
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	4	YA4C45	3HGE32837DSF78372	23	4LKD38923892SDO	DAEDON-KIOTA
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	3	LA8J99	2FGM38293D093SD	23 R	6KTB382938293DO	JINMA
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	2	LA8J99	2FGM38293D093SD	23 R	TN382937DR38292	FUJI HEAVY INDUSTRIES LTD.
<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Sell</a>	1	BM5F94	3OSIDOO38293DF	3457	R383SKDUOD3723	DAIMLER-BENZ AG

- Enter the date of the repower.

Please enter the sale date of the  
engine with serial # **TN382937DR38292**  
in the vehicle with EIN: **LABJ99**

YYYY MM DD  
0000 00 00

Sell

## Receiving Credit

Once the fleet owner has completed step 1 or 2 above, no additional actions will be necessary to receive credit, however they may check to ensure they are receiving credit for the repower by reviewing the fleet summary. The early credit for repower information is displayed below the summary of horsepower distribution and other information.

Construction Enterprises

View EINS

- View EINS
- Add/Edit Owner/Fleet
- Non-diesel Engine
- Non-standard Engine Certification
- Systems Replacing Diesel Vehicles
- Soon, Moyer, Other Vehicle Program
- View Fleet Summary**
- Compliance Plan
- Reassign Vehicle
- Executive Order Tracking
- Report Stolen Vehicle
- Certificate of Reported Compliance



### Early Credit - Repower (Horsepower)

Year	#vehicles	Horsepower	% of Horsepower
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2006	1	205.0	36.9 % hp
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Total repower		205.0	36.9 % hp
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Total turnover & repower credit

Pre-2009 turnover + repower - 24% = 71.8 hp 12.9 % hp